

Multiple Formation of Sentinel Sacs and Their
Papillae in the Acanthaceae *Barbarea* *Convolvulus*
Convolvulus (Abildgaard), by E. V. Pankov.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, 211(2), 1976,
Vol 196, No 6, Feb 1971, pp 1171-1176.

CH

Sept 71

On the Physiology of Feeding in Dughamaria
Superba, by V. Ia. Pavlov.
RUSSIAN, per, Dok Ak Nauk USSR, Zhil. Sina,
Vol. 196, No 6, Feb 1971, pp 1477-1480.
CII

Sept 71

Relationship of the Lability of the Nerve Fiber
to the Antioxidant Activity of Lipids of the
Substrate, by O. V. Kozova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,
Vol 126, No 6, Feb 1971, pp 1181-1182.
CB

Sept 71

Antagonistic Radiation of the Sheep Adrenal, by
Z. B. Kattamal'sona.

RUSSIAN, per, Dokl. Akad. Nauk, 1971, Vol. 226, No 6, Feb 1971, pp 1153-1155.

GB

Sept 71

Isolation of Dihydrofolate Reductase Polymer
From Mammalian Embryos By Gel Filtration on a
Sephacrose 4B Column, by T. S. Rapin.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, 1971, 241, 1056-1059.
Vol 196, No 6, Feb 1971, pp 1056-1059.
CH

Sept 71

Correlation Between the Degree of Invasion of
Mice by *Trichinella spiralis* and Inhibition of
Transplantation Immunity, by
I. M. Chernykhovskaya.
MUSKIM, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 196, No 6, Feb 1971, pp 1180-1192
CI

Sept 71

Effect of Viscosity on the Flow in the Initial
Part of a Highly Underexpanded Jet, by V. S.
Aviduevskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 1, Mar 1971, pp 46-49.
An Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Coupled, Steady-State, Convective Heat Transfer
off a Plate in a Gas Flow, by Academician A. V. Lykov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 17,
No 1, Mar 1971, pp 50-51.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Turbulent Channel-Flow Characteristics of Gas -
Water Mixtures, by V. I. Subbotin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 100,
No 1, Mar 1971, pp 52-55.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Equations for the Determination of the Morera and
Maxwell Stress Functions, by E. F. Vinograd.
RUSSIAN, per, Dok Ak Nauk SSSR, Ser. Phys. Vol 100,
No 1, Mar 1971, pp 56-58.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

A Hydrodynamical Model for Adhering Meteors, by
B. A. Trubnikov.
RUSSIAN, per, Dok Ak Nauk SSSR, Ser Phys. Vol 197,
No 1, Mar 1971, pp 59-61.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

An Absolute Microspectroreflectometer, by L. S.
Agroskin.
NICHISIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 1, Mar 1971, pp 62-65.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Doc 71

Radiative Effects in an External Electromagnetic
Field, by V. N. Baier.
RUSSIAN, per. Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 1, Mar 1971, pp 66-69.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct. 71

Sounding the Explosion Zone of an Explosive Charge
With a Magnetic Field, by V. A. Yel'min.
RUSSIAN, per, Dok Ak Nauk SSSR, Izv Phys, Vol 197,
No 1, Mar 1971, pp 70-72.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Experimental Study of the Equation of State of
Uranium Hexafluoride, by V. V. Malyshev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 107,
No 1, Mar 1971, pp 73-74.
An Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

New Methods of Increasing the Heat Resistance of
Nickel Alloys, by A. T. Tuzanov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 1, Mar 1971, pp 75-77.

Am Inst of Phys

Vol 16, No 3, Sept 1971

Oct 71

Crystal Structure of Lomonosovite $\text{Na}_5\text{Ti}_2\text{Si}_2\text{O}_{17}$
by R. K. Rastvetaeva.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 1, Mar 1971, pp 81-84.
An Inst of Phys
Vol. 16, No 3, Sept 1971

ID# 71

The Paramagnetism of Modified Water (Water II), by
M. M. Vukobratova,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 199,
No 1, 1971, pp 114-115.

CB

Oct 71

Stretching and Bending of Hydrogen Bonds as a
Function of Their Energy, by A. V. Logezan.
RUSSIAN, per, Dok Ak Nauk SSSR, Khim. Chel, Vol. 100,
No. 1, 1971, pp 117-120.
CR

Oct 71

Monatomic Condensation Nuclei (Showing Up of Single
Atom of ^{211}Pb), by Ya. I. Kogan,
RUSSIAN, per, Dok Ak Nauk SSSR, Khim. Chem, Vol 120,
No 1, 1971, pp 121-124.
CB

Oct 71

The Combustion of Nitrite Esters, by P. N. Kondrikov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 1, 1971, pp 125-128.
GB

Oct '71

Photoenhanced Oxidation of Water and Lower
Alcohols by Chlorophyll and Derivatives, by
V. A. Kuz'min.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 1, 1971, pp 129-132.
CB

Oct 71

Influence of Chemisorbed Layers of Monomers on the
Oxidation Kinetics of Aluminium, by R. S. Maslovskaya.
RUSSEAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 1, 1971, pp 133-135.

CH

Oct 71

The Possible Role of the Tunnel Effect in Post-
Radiation Reactions in Solid Organic Materials, by
A. N. Mikhailov,
RUSSIAN, per, Dok Ak Nauk SSSR, Khim. Gen., Vol 197,
No 1, 1971, pp 136-139.
CB

Oct 71

The Mechanism of the Spontaneous Decomposition of
Solutions of Hypochlorite and Hypochlorous Acid, by
B. P. Nigmat'skii.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 1, 1977, pp 140-142.

CB

Oct 77

Mechanism of the Formation and Forms of Growth for the
Dehydration of Sodium Tripolyphosphate Hexahydrate, by
V. A. Botnikova.

RUSSIAN, pub, Dok Ak Nauk SSSR, Fizik Khim, Vol 107,
No 1, 1971, pp 143-145.

CB

Oct 71

Investigation of the Mechanism of the Topochemical
Hydrogenation of Iron Carbide by a Kinetic Method,
by V. D. Stytsenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 1, 1971, pp 146-149.
CB

Oct '71

Effect of Temperature on the Spectrum of Co^{2+} Ions
in Alkali Borate Melts, by I. V. Tashanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 127,
No 1, 1971, pp 150-153.
CB

Oct 71

Structure of Raney Cobalt Catalysts. by
N. N. Lidorenko.
RUSSIAN, per, Dok Ak Nauk SSSR, (Chem Tech., Vol 197,
No 1, March 1971, pp 154-155.
CB

Jan 72

An Ultrastructural Study of *Verticillium dahliae*,
by Zh. Safiyazov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.

Vol 197, No 1, March, 1971, pp 257-261.

3B

Chart 72

Specialization of Bromegrass Mosaic Virus, by
Yu. I. Vlasov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 197, No 1, March 1971, pp 205-207.
CB

Jan 72

Immunoglobulin Synthesis in Mixed Cultures of
Syngeneic Cells From Different Lymphoid Tissues,
by A. A. Mikhailova.

MOSCOW, per, Dok Ak Nauk SSSR, Biol. Sci.
Vol. 197, No. 1, March 1971, pp. 20-22.
CP

Jan 72

Polymerized Ultraviolet Fluorescence of Single Muscle
Fibers, by Yu. M. Rozanov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 187,
No 1, March 1971, pp 212-215.

CB

Jan 72

Creatine Kinase in the Myofibrils of Skeletal and
Cardiac Muscle, by L. L. Alievskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem. Vol 127,
No 1, 1971, pp 216-218.

CH

Nov 71

Investigation by the Spin-Probe Method of ATP-
Dependent Conformational Transitions in
Mitochondrial Membranes, by V. E. Kol'tover.
RUSSIAN, per, Dok Ak Nauk BSSR, Biotchem, Vol 197,
No 1, 1971, pp 219-222.
CB

Nov 71

Immunochemical Specificity of Plant Histones, by
V. D. Kononov,
RUSSIAN, Dok Ak Nauk SSSR, Moscow, Vol 197,
No 1, 1971, pp 225-226.
GB

Nov 71

Dependence of the Rate of Alkaline Hydrolysis of
Acetylcholine on the Nature of the Anion of Salts
Added to the Reaction Mixture, by Ia. A. Epstein.
RUSSIAN, per, Dok Ak Nauk SSSR, Biokhim., Vol. 137,
No. 1, 1971, pp 227-229.
CB

Nov 71

Inhibition of Glycerol Dehydratase by Analogs of
Cobamide Coenzyme, by V. A. Yakovlev.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 197,
No 1, 1971, pp 230-233.

CB

1

Nov 71

Behavior of Reproductive Cell Nuclei in Parthenic
Laminaria L. and Formation of a Mosaic Embryo With
Dendrocyte, by M. P. Sointseva.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Ser., Vol 197,
No 1, March 1971, pp 234-237.
GB

Jan 72

Extraordinary Negative Component of the Cyclic
Potential, by F. A. Ata-Muradova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Nauk,

Vol. 187, No 1, March 1971, pp 231-237.

CH

Jan 72

Dependence on locomotor Activity of the Daily
Rhythm of Mitoses in the Crystalline Lens
Epithelium of *Rana temporaria* L., by
V. Ya. Brodskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,
Vol 197, No 1, March 1971, pp 212-213.
GB

Jan. 72

Placentoma Development in Fine-Wooled Sheep, by
N. L. Gurekhovskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 197, No 1, March 1971, pp 218-219.

GE

Jan 72

Asymptotic Properties of Certain Nonlinear Cases
of the Problem, by V. N. Lagunov, 5 pp.
USSR Acad. Sci. Dokl. Akad. Nauk, Moscow,
No 2, Vol 197, 1971, pp 271-276.
JPRS 503005

June 71

A Criterion of the Regime of Machine Motion, by
Academician I. I. Artobolevskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 2, Mar 1971, pp 303-306.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Loss of Rigidity of a Spherical Shell Subjected
to a Point-Force Loading from the Concave Side,
by A. V. Pogorelov.
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Soy. Phys., Vol 197,
No 2, Mar 1971, pp 307-308.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Hydrodynamic Instability of Cylindrical Discontinuities
by L. S. Solov'ev.

RUSSIAN, per, Dok Ak Nauk SSSR, Nov Phys. Vol 197,

No 2, Mar 1971, pp 309-311.

Am Inst of Phys

Vol 16, No 3, Sept 1971

Oct 71

Elastic Equilibrium of a Body Weakened by a Set of
Circular Cracks Situated Along a Plane, by A. S.
Andrukhiv.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser. Phys., Vol 197,
No 2, Mar 1971, pp 312-314.

Am Inst of Phys

Vol 16, No 3, Sept 1971

Oct 71

Reflection of Sunlight From the Atmosphere of
Venus, by V. Ya. Galin.
RUSSIAN, per, Dok Ak Nauk SSSR, Ser Phys, Vol 197,
No 2, Mar 1971, pp 315-318.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Effects of Channeling on the Distribution of
Electrically Active Boron and Phosphorus Atoms
in Silicon Single Crystals, by V. M. Gusev.
RUSSIAN, per. Dok Ak Nauk SSSR, Ser Phys, Vol 197,
No 4, Mar 1971, pp 319-322.
An Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Physical Bases of the Parametric Properties of
Photographic Emulsions, by V. K. Kalashnikova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 2, Mar 1971, pp 323-325.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Experimental Foundations of the Statistical
Method of Defining the Basic Parameters of
Photographic Emulsions, by A. A. Kolyubin.
RUSSEAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 2, Mar 1971, pp 326-327.
Am Inst of Phys
Vol 16, No 3, Sept 1971
NTC 71-16546-14E

Oct 71

Possibility of Chromatographic Determination of
Adsorption and Desorption Rate Constants During a
Catalytic Process, by A. D. Berman,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 369-372.

CB

Oct 71

Relationship of the Kinetic Parameters of a Catalytic
Reaction and its Stages, by G. K. Borekov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 373-376.

CB

Oct 71

Crystallization Mechanism of Amorphous Zirconium
Hydroxide, by V. B. Glushkova,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 377-380.
CB

Oct 71

A Combination of Two Mechanisms for the Interaction
Between Positronium and Paramagnetic Quenchers in
Solution, by V. I. Gol'danskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 381-384.

CB

Oct 71

The Use of the Dilution Method in Thermography to Investigate the Kinetics of Chemical Reactions in the Condensed Phase, by E. P. Goucharov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 385-388.
CB

Oct 71

Investigation of Thermodynamic Properties of Gadolinium
Antimonide by an Electromotive Force Method, by

V. I. Goryuncheva.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 389-392.

CB

Oct 71

Interaction of Atoms of Noble Gases with Molecules of
CO₂ by A. P. Kalinin.

RUSSIAN, per, Dok Ak Nauk SSSR, Khim. Chem, Vol 197,
No 2, 1971, pp 393-395.

CB

Oct 71

Kinetics of the Proton Exchange Between
Triethylsulfonium Nitrate and Water, by
A. F. Bekasheva,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 127,
No 2, 1971, pp 396-399.
CH

Oct 71

Luminescence Resulting From the Interaction of
Hydrogen Atoms With the Surfaces of Solid Aromatic
Substances, by V. D. Shatrov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 2, 1971, pp 400-402.

CB

Oct '71

Repair of Some Genetic Lesions in an RNA-Containing Virus and its Dependence on Cell Species. by
O. D. Zaslukhina.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,
Vol. 197, No. 2, March 1971, pp. 157-159.
GB

June 72

Production and Utilization of Food Energy in the
Benthic Biocenoses of Two Northern Lakes. by

A. F. Alimov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.

Tok 197, No 2, March 1971, pp. 240-244.

(S)

Jan 72

Abiogenic Synthesis of Pseudouridine, by
M. A. Khomukh.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 197,
No 2, 1971, pp 464-466.
CB

Nov 71

Regulation of Synthesis of Stable RNA. Dependence
on Initiation of Translation of Messenger RNA, by
R. S. Shakulov.

RUSSIAN, per, Dok Ak Nauk SSSR. Biochem. Vol 197,
No 2, 1971, pp 467-469.

CB

Nov 71

Modification of the Substrate and Inhibitor
Specificity of the Tyramine Oxidase of *Salmonella lutea*,
by V. A. Indakov.

RUSSIAN, per, Dok Ak Nauk SSSR, Moscow, Vol 192,
No 2, 1971, pp 470-472.

CB

Nov 71

The Chloroplast Membrane Potential and
Photoinduced Changes, by A. A. Bulynov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Ser., Vol. 11,
No. 3, March 1971, pp 473-476.
GB

Jan 72

On introduction a Sugar Beet Variety ...
B. G. Butenko.
PHYSICIAN, per, Dok Ak Nauk SSSR, Bot. Ser., Vol. 101,
No. 2, March 1971, pp 177-179.
GB

700. 72

Characteristic Properties of the Photosystems
of Chloroplasts in Mesophyll Cells and in
Parenchymatous Sheaths of Vascular Bundles in
Leaves of Monocotyledonous and Dicotyledonous
Plants, by Yu. I. Karpilov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot. Sci., Vol 127,
No 2, March 1971, pp 480-483.
CP

Jan 72

Effect of Phosphorus Nutrition on Water
Metabolism and the State of Water in Plants in
Unfavorable Moisture Conditions, by N. G. Jaschik v.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot. Ser., 1971, No. 1,
March 1971, pp 424-437.
GB

Jan 72

Ultrastructure of Muscle Tissue in Denervation
Atrophy, by G. V. Elyakova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.
Vol. 197, No 2, March 1971, pp 186-189.
GB

Jack 72

Na⁺ Binding by Phospholipids of the outer membrane
of the Retina During Illumination, by
V. G. Leont'ev.

RUSSIAN, per, Izv. Ak. Nauk SSSR, Biol. Sci.

Vol. 167, No. 2, March 1971, pp. 14-20.

CE

Jan 72

Functional and Biochemical Changes in the Rat
Brain in the Initial Stage of Action of Hyperbaric
Oxygen, by M. N. Maslova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,
Vol. 177, No. 2, March 1971, pp. 21-24.
CH

Index 72

EFFECT of Oxygenation Conditions During Incu-
tion on Embryonic Development of Some Quadrupeds.
by M. V. Galidov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol. 197, No 2, March 1971, pp 197-200.
CF

June 72

Differential Identification and Some Morphological
Features of Cells of the Prokaryotic Group of
Cobles, by E. B. Moiseeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,
Vol. 197, No. 2, March 1971, pp. 501-502.
CIS.

Doc 72

Generalized Solution of the Lamb Problem in a
Viscoelastic Half-Plane, by S. G. Brak.
RUSSIAN, per, Dokl Ak Nauk SSSR, Sov Phys, Vol 127,
No 3, Mar 1971, pp 539-541.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

View in the Near Wake, by Yu. Bralimovich, 11.
RTSILU, per, Dokl Akad Nauk SSSR, Vol. 100,
21 Mar 1971, Pt 040-100.
NASA TT F 13993

Jan 72

Flow in the Near Wake, by I. Yu. Brailovskaya,
RUSSIAN, per, Dok Ak Nauk SSSR, Ser Phys, Vol 147,
No 3, Mar 1971, pp 542-544.
An Inst of Phys
Vol 16, No 3, Sept 1971

Out 71

The Problem of the Laminar Flow of a Viscous-
Elastic Fluid Around a Cylinder, by S. S. Kutateladze.
RUSSIAN, per, Dok Ak Nauk SSSR, Ser Phys, Vol 197,
No 3, Mar 1971, pp 545-546.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

The Potential of Anisotropy in the Theory of Elasticity,
by S. D. Volkov.

RUSSIAN, per, ~~Dok Ak Nauk SSSR, Fiz. Mat.~~, Vol 197,
No 3, Mar 1971, pp 547-549.

Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

A Closed Model of the Universe with Variable, by
K. P. Stanyukovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Izv. Phys, Vol 197,
No. 3, Mar 1971, pp 550-553.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Calculation of the Motion of a Charged Beam by the
Method of Large Particles Taking the Space Charge
Into Account, by A. V. Zhakharov.

PUBLISHED, per, Dok Ak Nauk SSSR, Ser. Phys., Vol. 147,
No. 3, Mar 1971, pp 554-556.

An Inst of Phys

Vol. 16, No 3, Sept 1971

Oct 71

Laser and Spectroscopic Properties of Nd^{3+} (MoO₄)₂
-H₂O Crystals, by Kh. S. Bagdasaryan.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 107,
No 3, Mar 1971, pp 557-559.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

The Positronium Atom in an Oxide Semiconductor
With an Extensive Surface, by G. M. Bartenev,
RUSSKIAN, per, Dok Ak Nauk SSSR, Ser Phys, Vol 190,
No 3, Mar 1971, pp 560-563.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Thermal Shock Wave in a Plasma, by O. A. Solovinski.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 10,
No 3, Mar 1971, pp 564-567.
Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

The Mechanical Properties of Polytetrafluoroethylene
and Polyethyl Methacrylate Under High Pressure, by
B. A. Boronov.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Phys, Vol 197,
No 3, Mar 1971, pp 568-570.

Am Inst of Phys
Vol 16, No 3, Sept 1971

Oct 71

Domain Structure of an Fe + 3% Si Crystal Bounded
by a Plane Not Containing Tetragonal Area, by
V. P. Zhukarov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 100,
No 3, Mar 1971, pp 571-573.

Am Inst of Phys

Vol 16, No 3, Sept 1971

Oct 71

Results of Visual Observation of the Nighttime,
Twilight, and Daytime Horizon of the Earth
from the "Boynaz-2" Spacecraft, by
K. Ya. Kondrat'yev, et al.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 197,
No 3, 1971, pp 571-577.
NASA DT F-13,891

Mar 72

Energy Transfer From Higher Triplet Levels as the
Reason for Photodestruction of Polymers, by
I. G. Batukha.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 3, 1971, pp 614-617.
CH

Oct '71

Enthalpies of Polymerization of Trioxane and Tetraoxane,
by N. A. Bogdanova.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 3, 1971, pp 618-620.

CH

Oct 71

Examination of a Rhodium- Platinum Catalyst by
Electrochemical Methods, by A. P. Zabetina.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 3, 1971, pp 621-623.
CE

Oct 71

Rate Constants of Several Reactions of Vibrationally
Excited Hydrogen Molecules in the Reaction of Fluorine
With Hydrogen, by G. A. Kapralov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 137,
No 5, 1971, pp 624-626.

CB

Oct 71

Slow Potentional Diffusion of the Iminoxy Radical in
Viscous Media and Polymers, by L. V. Lazarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 148,
No 3, 1977, pp 627-630.
CH

Oct 71

Interfacial Tension of Liquid Lead in Molten Alkali-Metal Chlorides, by M. V. Smirnov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197, No 3, 1971, pp 631-634.

CH

Oct 71

Mechanism of σ -Complex Formation in the Yanovskii
Reaction, by I. M. Semonkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 197,
No 3, 1971, pp 635-638.
GB

Oct 71

Application of the Method of Graphs to the Kinetics
and Mechanisms of Multistage Complexing Reactions, by
K. B. Vatskhalovskii.

RUSSIAN, pub, Dok Ak Nauk SSSR, Fiz. Khim., Vol 182,
No 3, 1971, pp 639-642.

CB

Oct 71

Molecular Structure of a Gel of Stereoregular
Polyisoprene, by V. A. Grechanovskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol. 197,
No. 3, March 1971, pp 643-645.
CB

Jan 72

Velocity of the Free Surface of a Liquid Film in Wave
Flow, by S. N. Mironov.

IRENSTAD, per, Dok Ak Nauk SSSR, Chem Tech., Vol 197,
No 2, March 1971, pp 646-649.

CH

Jan '72

The Ontogenesis of Cat Hemoglobin, by
L. I. Lurzhak.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.
Vol. 197, No. 3, March 1971, pp. 625-627.
CE

Jan 72

Experiments in Hybridization of Mammals, Birds, and
Invertebrates and Spermatogenesis. Penetration and Early
Morphological Changes in Spermatogenesis of the
Allom in the Cells of A Chinese Mosquito, by
V. M. Denis.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol. 197, No 3, March 1971, pp 698-700.
CB

Jan 72

EFFECT OF Methyl Sulfate on Mutation Frequency of
Genes S and r in The Carp (*Cyprinus Carpio* L.).
by R. M. Tseli.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.
Vol. 197, No 3, March 1971, pp 701-704.
GB

June 72